No.	:	
	No.	No. :

Total No. of Questions: 11 ]

[ Total No. of Printed Pages: 3

## **HOMESEM-132**

# M.Sc. (Ist Semester) Examination Dec., 2022 FOOD AND NUTRITION

Paper - III

## (Macro Nutrients in Human Nutrition)

Time: 3 Hours ] [ Maximum Marks: 40

The question paper contains three Sections.

Section–A (Marks :  $1 \times 10 = 10$ )

**Note**: Answer all *ten* questions (Answer limit **50** words). Each question carries **1** mark.

Section-B (Marks:  $3 \times 5 = 15$ )

Note: Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

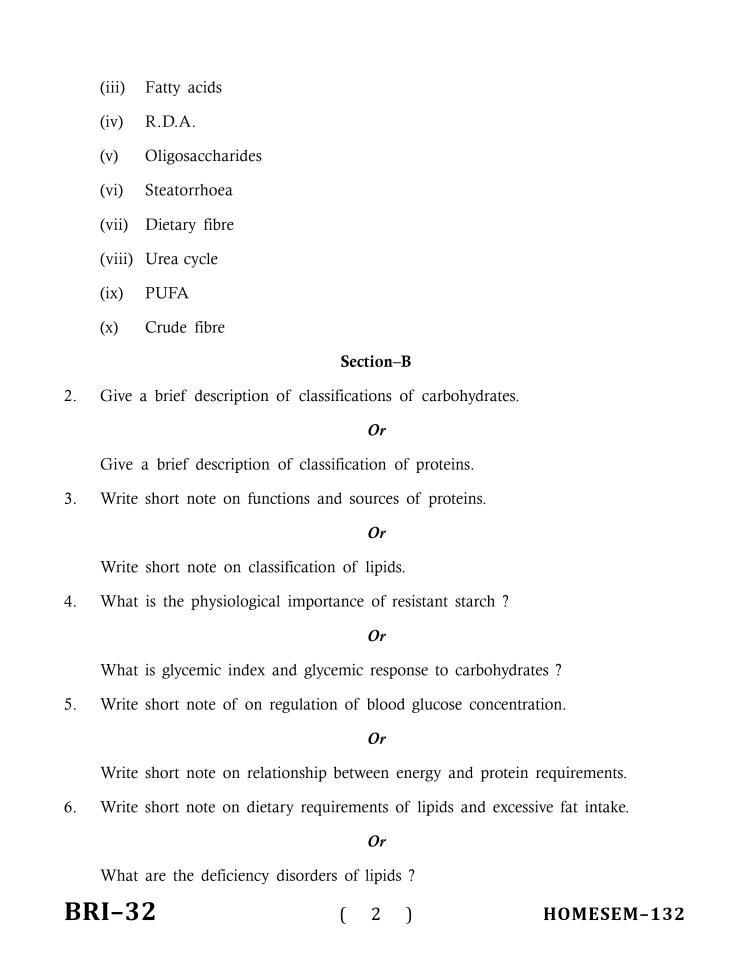
Section–C (Marks :  $5 \times 3 = 15$ )

**Note**: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

#### Section-A

- 1. Attempt all questions:
  - (i) Hyperglycemia
  - (ii) Proteins

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### Section-C

- Explain the methods of assessing protein quality and the factors influencing it. 7.
- 8. Explain the process of digestion and absorption of proteins.
- Explain the process of digestion and absorption of carbohydrates. 9.
- 10. What are essential fatty acids? Explain the role of omega-3 and omega-6 fatty acids.
- 11. Give the classification of dietary fibre. Explain the physiological role and health benefits of dietary fibre.